

FIG. 1

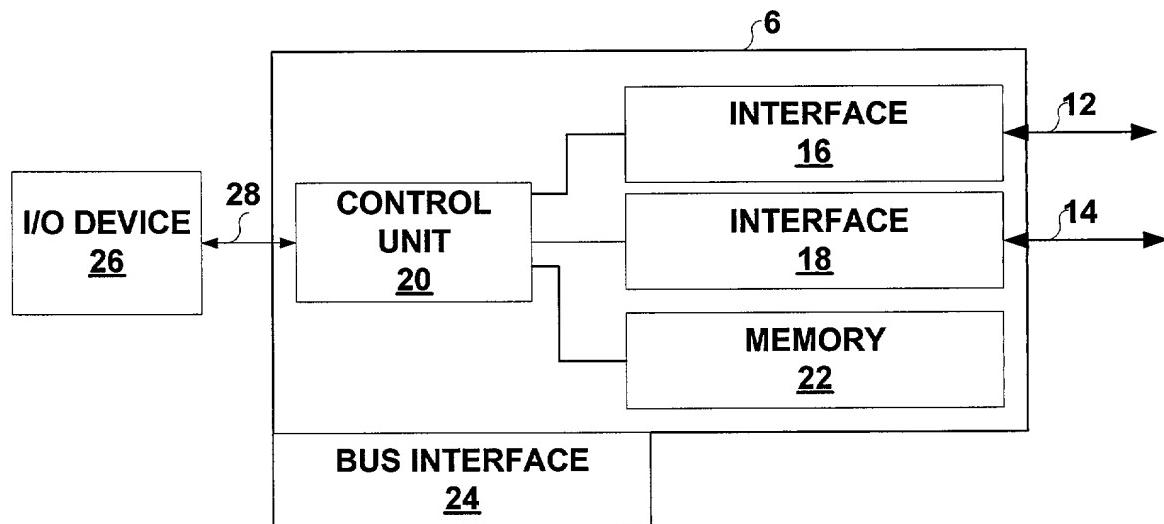


FIG. 2

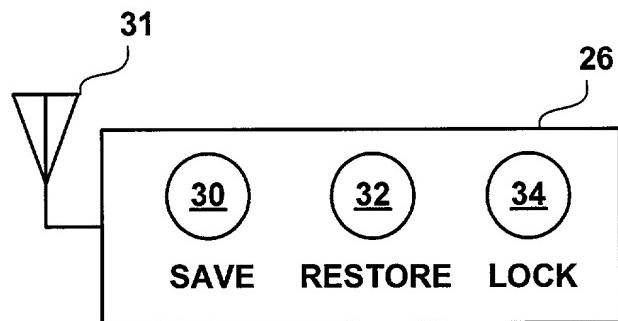


FIG. 3A

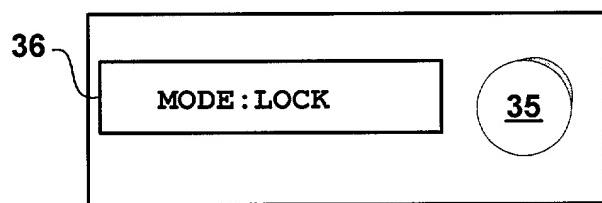


FIG. 3B

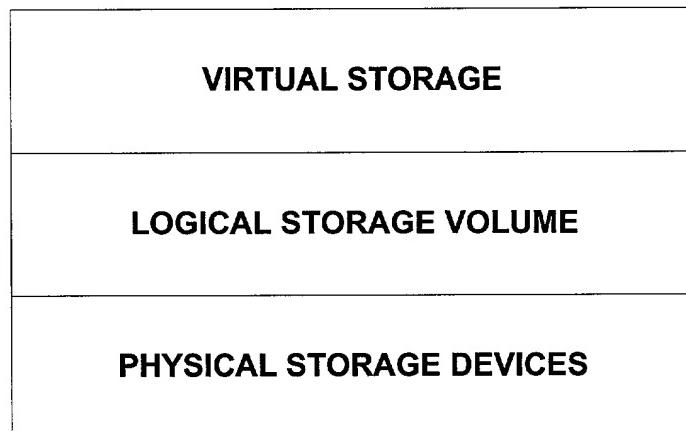


FIG. 4

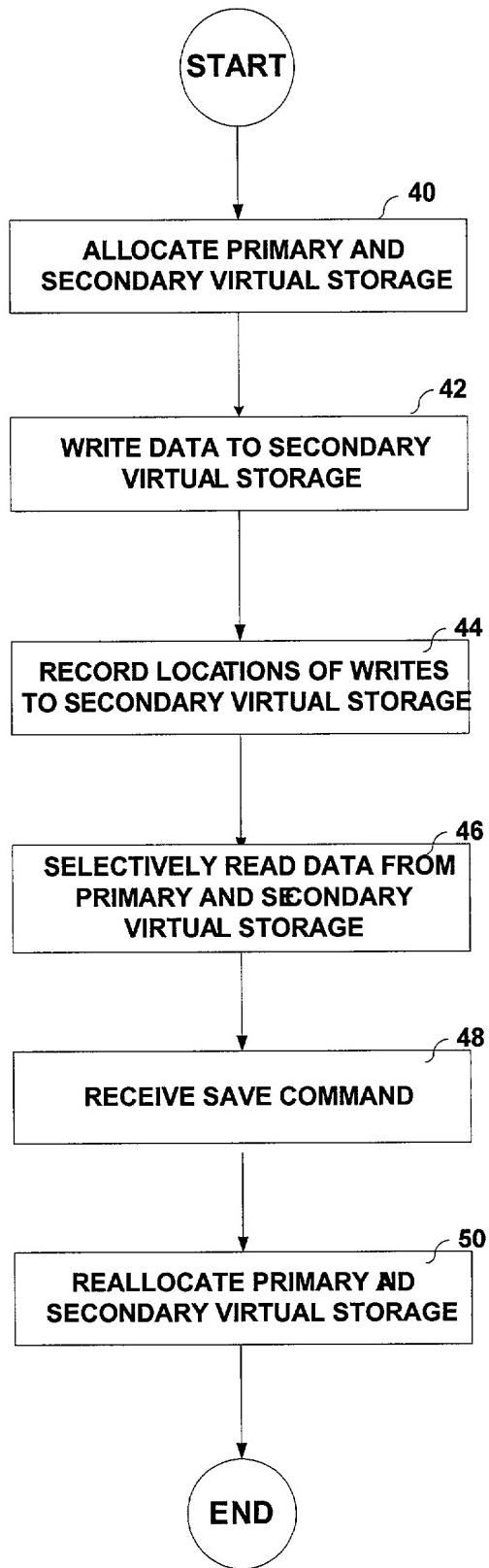


FIG. 5

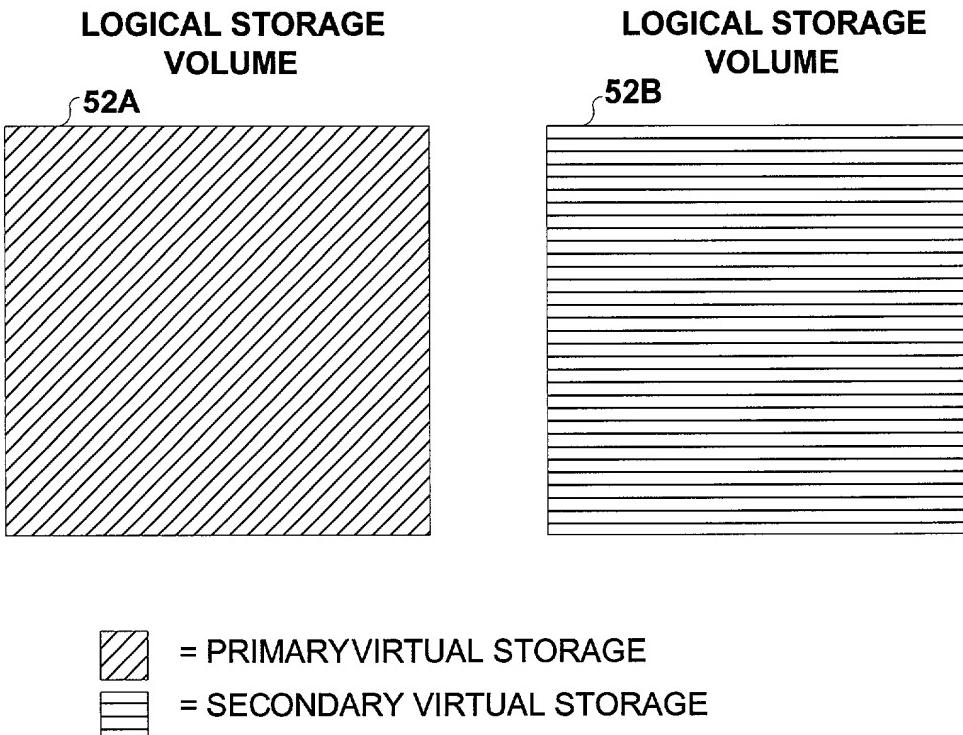


FIG. 6A

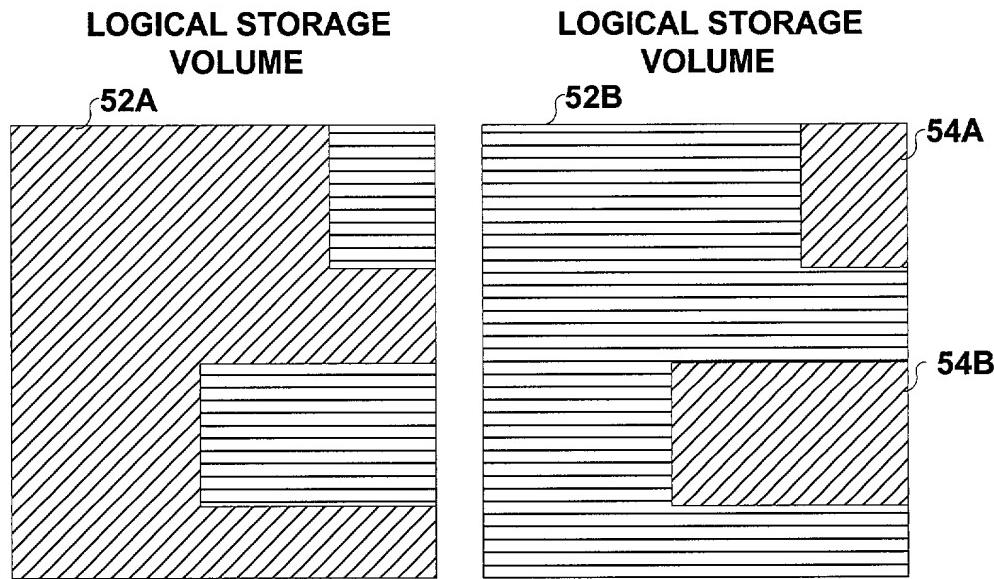


FIG. 6B

APPLICANT: GASTON R. BIESSENER ET AL.
TITLE: DATA BACKUP AND RESTORATION USING DYNAMIC VIRTUAL STORAGE
ATTORNEY/AGENT: KENT J. SIEFFERT
REG. NO. 41,312 TELEPHONE: 651.735.1100
DOCKET NO.: 1009-003US01 SHEET 5 OF 10

VIRTUAL STORAGE MAP (VSM)	DELTA DATA MAP (DDM)
<u>62</u>	<u>64</u>

FIG. 7

VIRTUAL STORAGE MAP (VSM)	DELTA DATA MAP (DDM)	STATUS DATA	SAVE FLAG
<u>88</u>	<u>89</u>	<u>90</u>	<u>85</u>

FIG. 10

VIRTUAL STORAGE MAP (VSM)	DELTA DATA MAP (DDM)	VERSION DATA	SYSTEM VERSION
<u>106</u>	<u>108</u>	<u>110</u>	<u>111</u>

FIG. 12

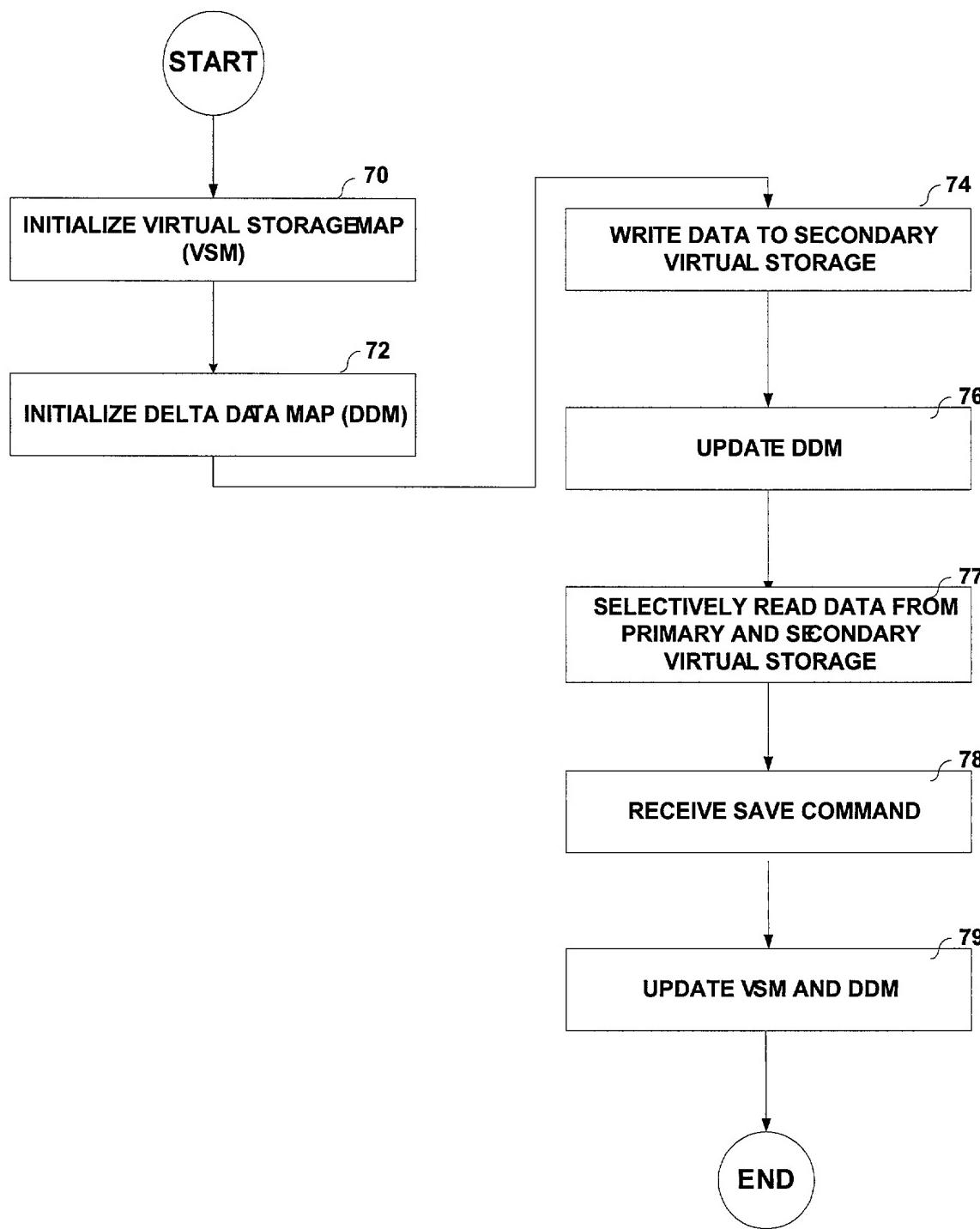


FIG. 8

APPLICANT: GASTON R. BIESSENER ET AL.
TITLE: DATA BACKUP AND RESTORATION USING DYNAMIC VIRTUAL STORAGE
ATTORNEY/AGENT: KENT J. SIEFFERT
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DOCKET NO.: 1009-003US01 SHEET 7 OF 10

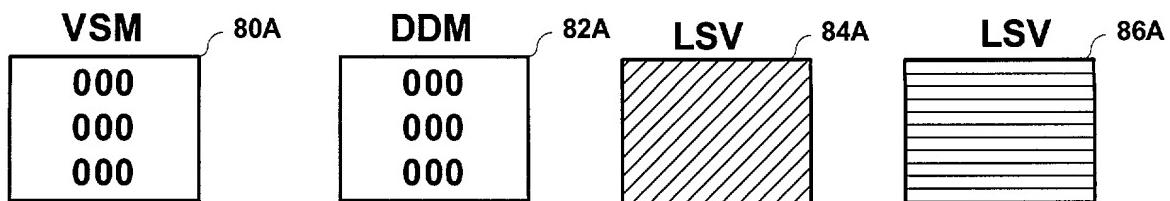


FIG. 9A

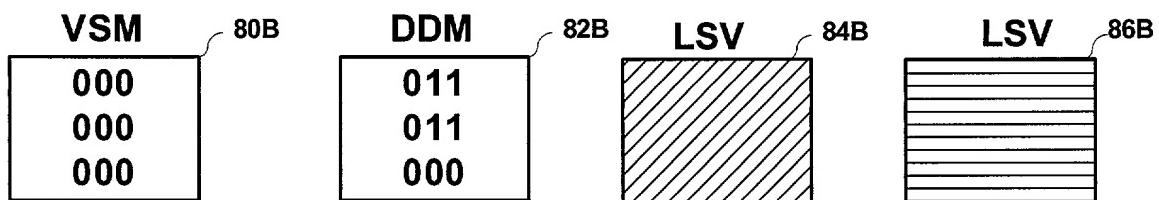


FIG. 9B

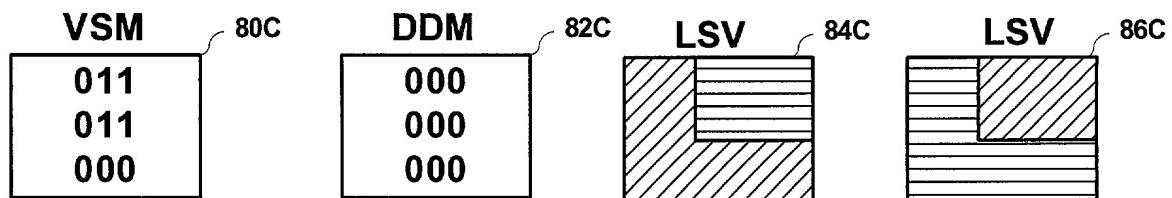


FIG. 9C

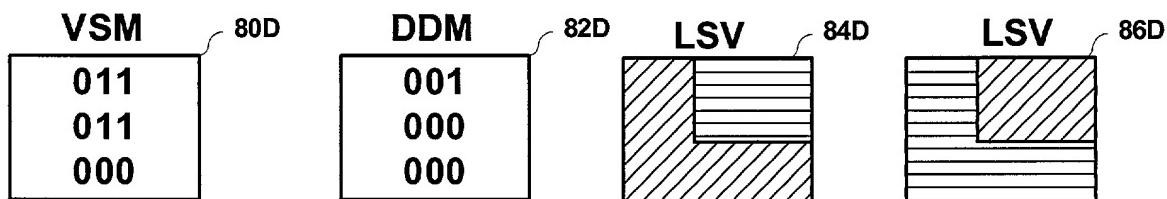


FIG. 9D

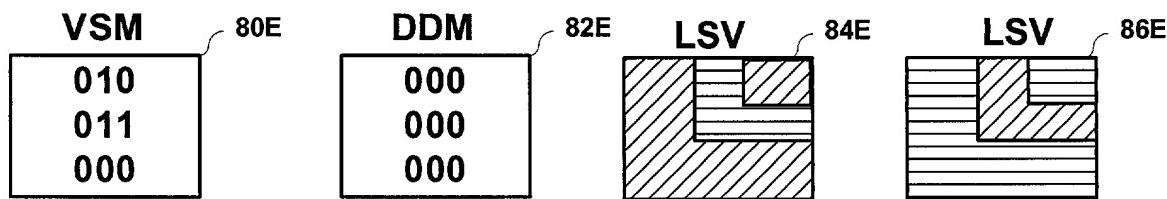


FIG. 9E

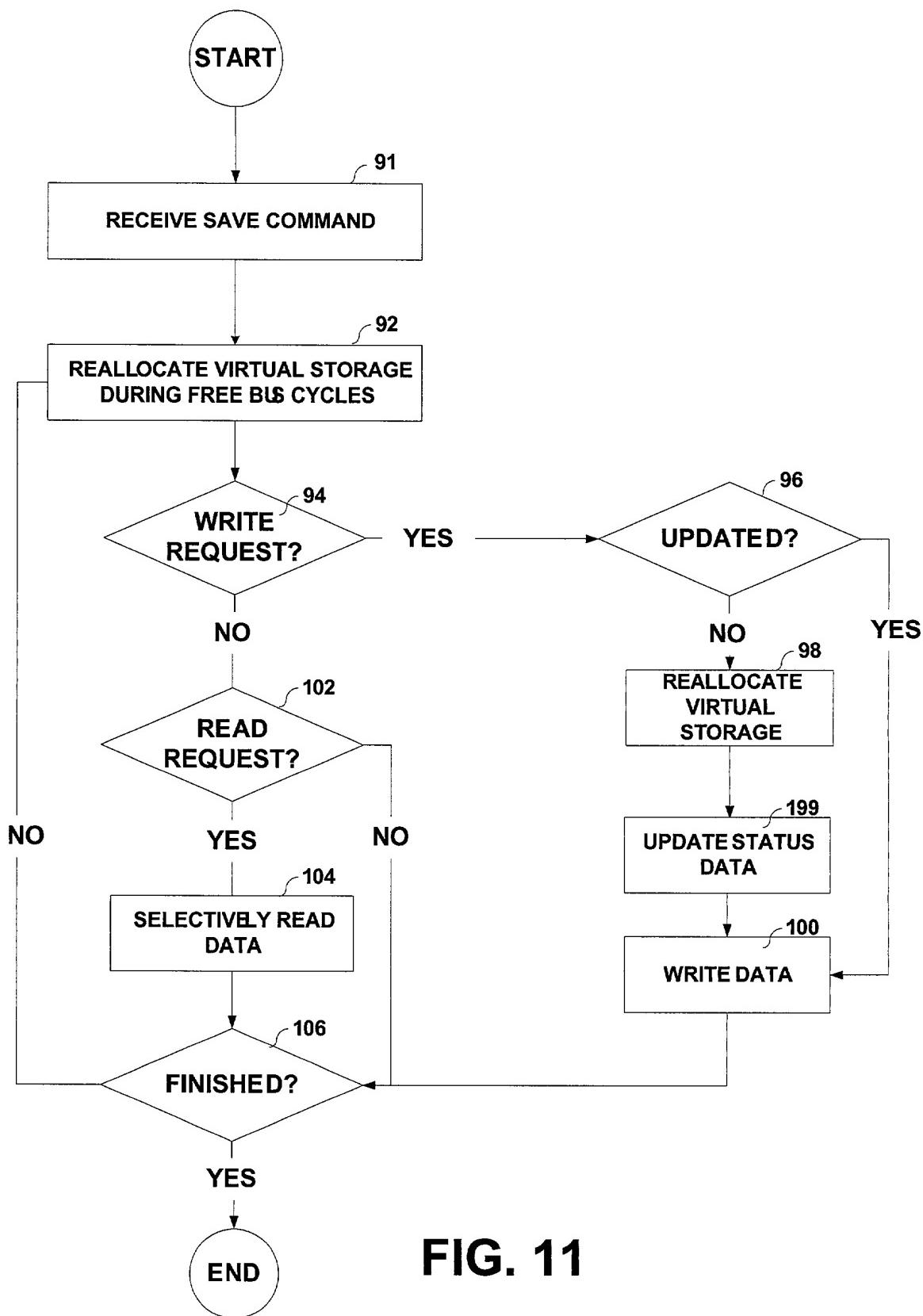


FIG. 11

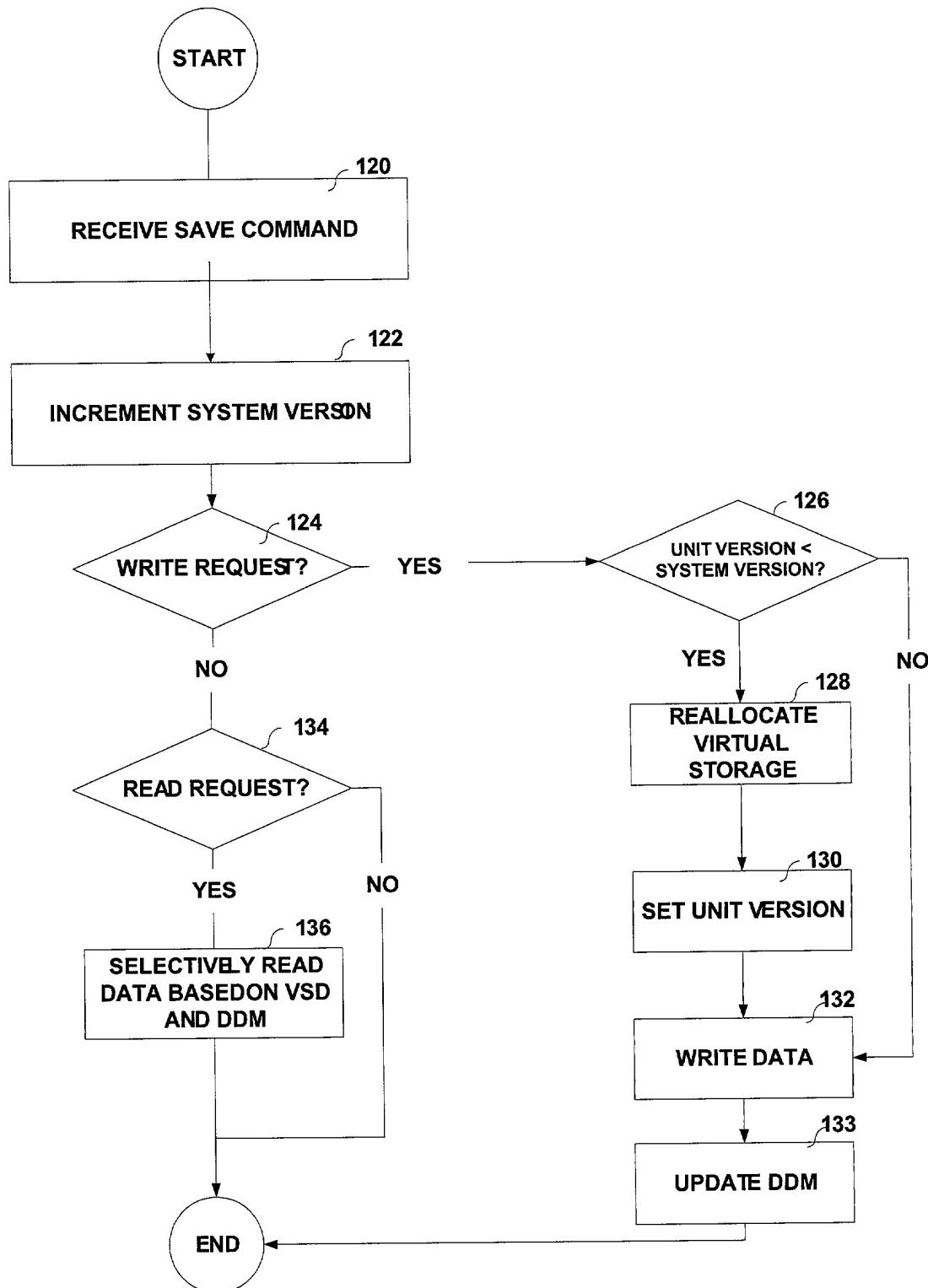


FIG. 13

APPLICANT: GASTON R. BIESENBERGER ET AL.
 TITLE: DATA BACKUP AND RESTORATION USING DYNAMIC VIRTUAL STORAGE
 ATTORNEY/AGENT: KENT J. SEFFERT
 REG. NO. 41,312 TELEPHONE: 651.735.1100
 DOCKET NO.: 1009-0032US01 SHEET 10 OF 10

VIRTUAL STORAGE MAP (VSM) <u>142</u>	DELTA DATA MAP (DDM) <u>144</u>	VERSION DATA <u>146</u>	COMMAND HISTORY <u>148</u>	SYSTEM VERSION <u>150</u>
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FIG. 14